

Rabbit Caspase-12 Polyclonal Antibody | anti-Casp12 antibody

Caspase-12 Antibody (Large)

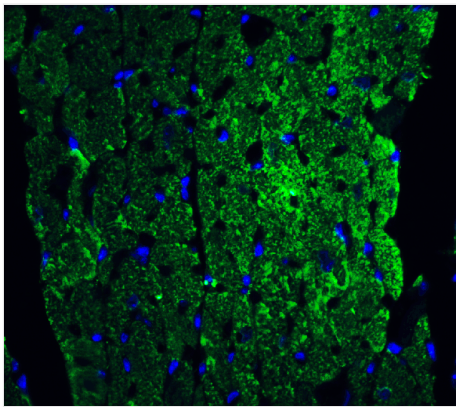
CATALOG # AAA10958	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

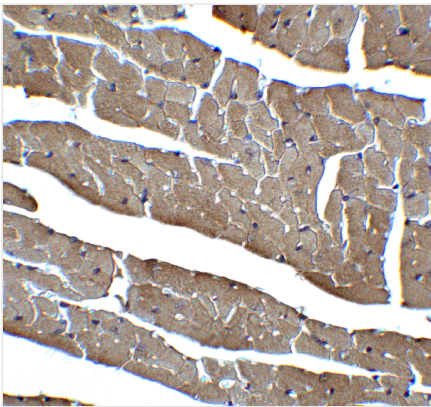
Caspase-12; Polyclonal Antibody; Caspase-12 Antibody (Large); Caspase-12 (Large); CASP-12; caspase 12; anti-Casp12 antibody

PRODUCT SPECIFICATIONS

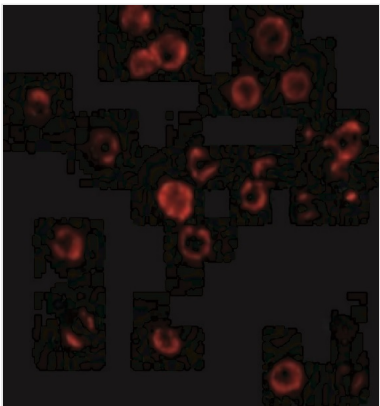
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Caspase-12 (large) antibody is predicted to have no cross reactivity to other members in the caspase family.
Purity/Purification	Caspase-12 (Large) Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	419
Applicable Applications for anti-Casp12 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Caspase-12 (large) antibody can be used for the detection of both the propeptide and cleaved forms of caspase-12 by Western blot at 0.5 to 2 mug/mL. Antibody can also be used for immunohistochemistry starting at 2 mug/mL. For immunofluorescence start at 10 mug/mL.
Conjugate	Unconjugated
Immunogen	Caspase-12 antibody was raised against a synthetic peptide corresponding to 16 amino acids within the large cleavage product of murine caspase-12.
Buffer	Caspase-12 Antibody is supplied in PBS containing 0.02% sodium azide. (Large)
Preparation and Storage	Caspase-12 (Large) antibody can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



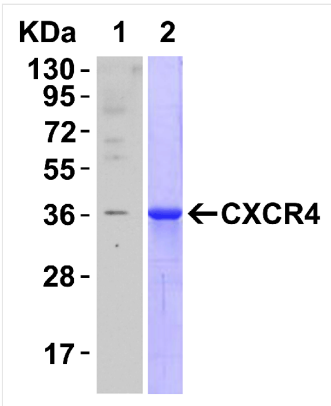
IF (Immunofluorescence)
Immunofluorescence of Caspase-12 in mouse heart tissue with Caspase-12 antibody at 20 μ g/ml. Green: Caspase-12 Antibody (Large) (3195) Blue: DAPI staining



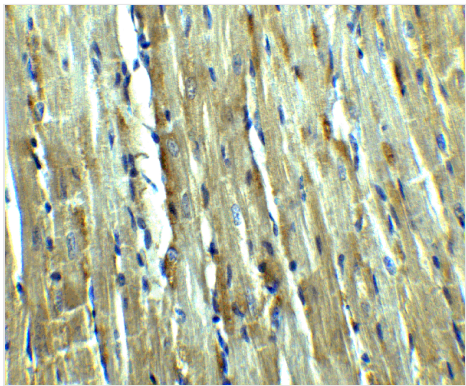
IHC (Immunohistochemistry)
Immunohistochemistry of Caspase-12 in mouse heart tissue with Caspase-12 antibody at 2 μ g/ml.



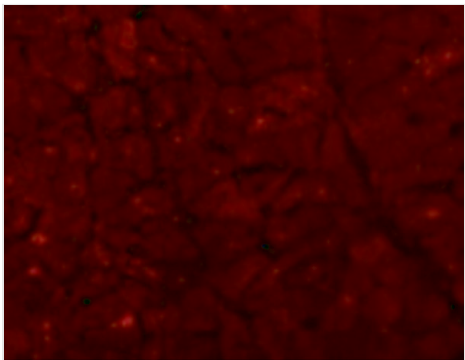
WB (Western Blot)
Western blot analysis of Caspase-12 expression in rat heart tissue lysate with Caspase-12 antibody at (A) 0.25 and (B) 0.5 μ g/ml.



IF (Immunofluorescence)
Immunofluorescence of Caspase-12 in rat heart tissue with Caspase-12 antibody at 20 μ g/ml.



IHC (Immunohistochemistry)
Immunohistochemistry of Caspase-12 in rat heart tissue with Caspase-12 antibody at 2.5 μ g/ml.



IF (Immunofluorescence)
Immunofluorescence of Caspase-12 in Human Heart tissue with Caspase-12 antibody at 10 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Casp12 antibody	Caspase-12 Antibody: (Large)Three distinct signaling pathways lead to programmed cell death (apoptosis). The death receptor and mitochondrion pathways are the main, in which the key apoptotic proteases capase-8 and caspase-9, respectively, are involved. The endoplasmic reticulum (ER) stress is the third apoptotic pathway and caspase-12 is involved. Caspase-12 is localized to the ER but not to cytoplasm or mitochondrion. Caspase-12 is activated by ER stress, including disruption of ER calcium homeostasis, and mediates ER stress-induced apoptosis. Caspase-12 is co-localized to the ER with several proteins that are involved in Alzheimer's disease including gamma-secretase presenilin and beta-amyloid precursor protein (APP). Caspase-12 mediates cytotoxicity induced by amyloid-beta. Caspase-12 is ubiquitously expressed in mouse tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2094806
NCBI GeneID	12364
UniProt Accession #	O08736; Q3TT82
Molecular Weight	Predicted: 46 kDa Observed: 46 kDa
NCBI Official Full Name	caspase-12
NCBI Official Synonym Full Names	caspase 12
NCBI Official Symbol	Casp12
NCBI Protein Information	caspase-12; CASP-12
UniProt Protein Name	Caspase-12
UniProt Gene Name	Casp12
UniProt Synonym Gene Names	CASP-12
UniProt Entry Name	CASPC_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/caspase-12-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10958>